

## ABSTRACT

The present invention provides a bacterium belonging to the genus *Bifidobacterium*, by which DNA coding for a protein having an antitumor activity or DNA coding for a protein having the activity of converting a precursor of an antitumor substance  
5 into the antitumor substance is delivered to tumor tissues specifically under anaerobic conditions thereby expressing the protein encoded by the DNA, as well as a pharmaceutical composition comprising said anaerobic bacterium.

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